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## CLAIMS

- Medical or dental medical handpiece (1),
   characterized in that,
   it has a display (21) for the showing of work-relevant data or images.
- Handpiece according to claim 1,
   characterized in that,
   it is formed rod-like and the display (21) has a longitudinally directed spacing (e) from the forward end of the handpiece (1), which spacing is preferably at least about 20 to 80 mm, in particular about 30 to 50 mm, or greater.
- 3. Handpiece according to claim 2, characterized in that, rearwardly of the display (21) the handpiece (1) has a grip section (3), preferably extending straight.
- 4. Handpiece according to claim 1,
   characterized in that,
   the forward longitudinal region of the handpiece (1)
   is angled or curved to the side.
- 5. Handpiece according to claim 4, characterized in that, the display (21) is arranged in a longitudinal region which extends approximately from the forward end region of the grip section (9; 48) up to approximately the middle region of the angling or curvature.
- 35 6. Handpiece according to claim 4, characterized in that, the display (21) is arranged on the side of the

handpiece (1) which is away from the direction of angling or the direction of curvature.

- 7. Handpiece according to claim 1,
  5 characterized in that,
  the display area (21a) is arranged on the surface of
  the handpiece (1) or projects beyond the surface and
  extends preferably approximately parallel thereto or
  includes with the surface an acute angle (W3) which
  is forwardly opened.
- Handpiece according to claim 1,
   characterized in that,
   it has one or more actuating elements (22) for the
   switching on and switching off of the showing of
   different data items or images on the display (21).
- Handpiece according to claim 8, characterized in that,
   the actuating element or elements (22) are arranged in the edge region of the display (21), preferably in the rearward edge region and/or in the forward edge region.
- 11. Handpiece in particular according to claim 1, characterized in that, it has in its forward end region an image-taking device (31), the images from which can be shown on

the display (21).

- 12. Handpiece according to claim 11,
  characterized in that,

  5 the image-taking device (31) has a light inlet
  opening (34) which is covered over by a light
  permeable closure plate (35).
- 13. Handpiece according to claim 11,
  10 characterized in that,
  the image-taking device (31) has a camera module (32).
- 14. Handpiece according to claim 11,15 characterized in that,the image-taking device (31) is arranged off centre in the edge region of the handpiece (1).
- 15. Handpiece according to claim 11,
  20 characterized in that,
  the image-taking device (31) is arranged in the
  angling or curvature plane of the handpiece (1),
  preferably arranged on the forwardly directed side of
  the angling or curvature.
- 16. Handpiece according to claim 11,
  characterized in that,
  the image-taking device (31) is arranged in a
  material annex (33) which is preferably arranged to
  the side.
  - 17. Handpiece according to claim 1 or 11, characterized in that, it is a functional handpiece and/or a probe handpiece and/or a working handpiece.
    - 18. Handpiece according to claim 11,

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characterized in that, the spacing of the image-taking device (31) from the forward end of the outlet nozzle (4) is less than 30 mm, preferably about 5 mm to 10 mm.

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- 19. Handpiece according to claim 11,
  characterized in that,
  with a working handpiece (1) having an insertion
  opening (46) for a tool (45) open to the side, in a
  10 head (13) of the handpiece (1), the image-taking
  device (31) is arranged in the end region before or
  behind the head (13) on the side on which the
  insertion opening (36) is located, and is directed
  obliquely towards the middle axis of the insertion
  opening (46) (Fig. 3).
- 20. Handpiece according to claim 11, characterized in that, with a working handpiece (1) having a forwardly open insertion opening (46) for a tool (45), the image-taking device (31) is arranged in the forward end region of the handpiece (1), in particular in the side periphery region of the handpiece (1) and is forwardly directed (Fig. 4).

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- 21. Handpiece according to claim 1, characterized in that, it has a data receiver, for the reception of wireless transmitted data, associated with the display, which data corresponds to work-relevant data or images which can be shown on the display (21).
- 22. Handpiece according to claim 11, characterized in that,
- it has a data transmitter (63), for the transmission of data corresponding to images taken, associated with the image-taking device (31).